

iziFi[®]
WIFI FOR BUSINESS



IZIFI
MODEL: IZ8620

IZIFI BUSINESS

WWW.IZIFI.COM

Overview

The Enterprise-Grade High Performance 802.11ax Access Point, especially designed for the Indoor Environments deployment with High-Throughput-Demand.

The IZ8620 provide high-performance Wireless connection with aggregate rate of up to 1.8Gbps, with 2 Gigabit ethernet port and support 802.3af/at power input. The IZ8620 reach to the flexible solution for the customer deployments.

WiFi 6 (802.11AX) Technology is the WiFi real world. WiFi6 delivery high quality-of-experience(QoE) to the end user devices. The OFDMA-DL and OFDMA-UL will improve the way Wi-Fi networks work, it improves capacity, provides better coverage, and even reduces congestion, resulting in a far better user experience overall.

Ideal Use Cases

- Performance-critical wireless LANs.
- Recommend for improve the multi users quality-of-experience (QoE)
- Highly recommend for 200+ clients.

Hardware Features

- 2 radios: 2.4 GHz, 5 GHz, Dual-Band
- 802.11N, 802.11AC Wave2, 802.11AX 1800Mbps.
- 2 × 1 Gbps Fast Ethernet port (WAN, LAN)
- PoE: 802.3at
- Support 12Volt DC input.

Operation Management

- Support flexible mode FIT(Wlan Controller Member) and FAT(Stand Alone AP)
- Central-provisioning from Wlan Controller.
- Self configuration one by one AP via WEB GUI.
- Support flexible network mode operation: AP, AP Router, WDS Wireless Link, ISP Client.

Wlan Network Optimization

- In FAT Mode, Auto channel selection by AP self in the Passive.
- In FIT Mode, Auto channel provision from the Cental Wlan Controller with flexible mode Passive and Active.
- Radios optimized for rate-vs-range performance
- Built-in real-time RF spectrum view in FAT mode.
- Wlan Controller-based automatic roaming assistant(Client's match decision).
- Support Band Steering Prefer 5Ghz.
- Support Fast Roaming 802.11k,v,r

Overview

Wire Network Optimization.

- Support Multi 4SSID/Vlan tag per radio.
- MAC ACL in the FAT mode.
- Router support DHCP Server and Bandwidth QOS in FAT Mode.
- Router support port forwarding and DMZ.
- Monitor and track statement of the online client devices.

Device management

- Create device-specific firewall rules
- Schedule reboot system.
- Schedule on/off Wlan Radio WiFi.
- Central Firmware Management or Direct Firmware Upgrading
- Local syslog.

Specifications

IZ8620	
802.11 Standard	802.11G/N/AX 2.4Ghz 802.11 A/N/AC/AX 5.8Ghz
Data Rate	1800Mbps
Antenna	Integrated 2x2:2 Antenna With 5 dBi
Transmit Power	High
Beamwidth	360°
Chanel Bandwidth	20/40/80 MHz
Network Interface	(2) x 10/1000 Mbps Fast Ethernet Ports

Specifications

IZ8620	
Power Method	802.3af/at PoE 48V Passive PoE (Pairs 4,5+ & 7,8-) 12V 1.5A DC Jack
Features	Wireless AP, Router AP. Wan Interface: DHCP Client, Static, PPPoE. Multiple 4 SSID/radio. Vlan/SSID 802.1q. Wlan Security: Open, WPA/WPA2-PSK, WPA3-PSK. RF Optimization configuration. Firewall: DMZ, Port forwarding, ACL L3/L4, MAC Binding. System Firmware, backup restore configuration. System time zone. FIT MODE: Wlan Controller (CAPWAP)
Max Power Consumption	<15W
Assistant Interface	(1) Reset button, press 15 seconds for default setting
LEDs	1 Power, 1 WAN, 1 LAN and 4 Wi-Fi Signal Strength LEDs
ESD/EMP Protection	Contact Discharge: $\pm 6\text{KV}$ Air Discharge: $\pm 8\text{KV}$

Specifications

IZ8620

RF Power

2.4G RF Power

802.11b	11M	21±2dBm	1M	21±2dBm
802.11g	54M	20±2dBm	6M	22±2dBm
802.11n HT20	MCS7	19±2dBm	MCS0	21±2dBm
802.11n HT40	MCS7	18±2dBm	MCS0	20±2dBm
802.11AX HE40	MCS11	18±2dBm	MCS0	20±2dBm

5G RF Power

802.11a	54M	19±2dBm	6M	21±2dBm
802.11n HT20	MCS7	18±2dBm	MCS0	20±2dBm
802.11n HT40	MCS7	17±2dBm	MCS0	19±2dBm
802.11ac HT80	MCS9	16±2dBm	MCS0	18±2dBm
802.11ax HE80	MCS11	16±2dBm	MCS0	19±2dBm

Specifications

IZ8620				
Receive Sensitivity	2.4G Receive Sensitivity			
	802.11b	11M	-85dBm	1M -94dBm
	802.11g	54M	-72dBm	6M -90dBm
	802.11n HT20	MCS7	-70dBm	MCS0 -88dBm
	802.11n HT40	MCS7	-68dBm	MCS0 -86dBm
	802.11ax HE20	MCS11	-63dBm	MCS0 -89dBm
	802.11ax HE40	MCS11	-60dBm	MCS0 -87dBm
	5G Receive Sensitivity			
	802.11a	54M	-74dBm	6M -90dBm
	802.11n HT20	MCS7	-72dBm	MCS0 -88dBm
	802.11n HT40	MCS7	-68dBm	MCS0 -86dBm
	802.11ac HT80	MCS9	-58dBm	MCS0 -80dBm
	802.11ax HE20	MCS11	-63dBm	MCS0 -88dBm
	802.11ax HE40	MCS11	-59dBm	MCS0 -86dBm
802.11ax HE80	MCS11	-54dBm	MCS0 -84dBm	
Dimensions	186mm * 168 mm * 36 mm			
Environment	Operating Temperature: -30~55 °C Max Operating Temperature: -40~70 °C (Throughput lower)			
	Storage Temperature: -40~70 °C			
	Humidity: 5%~95% non-condensing			
Management	Firmware GUI, Remote Management, Wlan Controller (CAPWAP)			